

MATERIAL SAFETY DATA SHEET



DATE PREPARED: 09/25/2002
MSDS No: 7165

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: ORTHO® Brush-B-Gon® Poison Ivy Killer Concentrate

PRODUCT DESCRIPTION: Herbicide

MANUFACTURER

The ORTHO Group
P.O. Box 190
Marysville, OH 43040

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (U.S.): (800) 424-9300
Emergency Phone: 1-800-225-2883

EPA REG. NO.: 239-2491G **PN:** 5467

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Wt. %</u>	<u>CAS#</u>
Triclopyr, Triethylamine Salt	8	57213-69-1
Other Ingredients	92	

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

IMMEDIATE CONCERNS: CAUTION -

Causes moderate eye irritation.

Avoid contact with eyes or clothing.

Avoid breathing spray mist.

KEEP OUT OF REACH OF CHILDREN

POTENTIAL HEALTH EFFECTS

EYES: The undiluted product maybe moderately irritating to the eyes. Eye contact may result in discomfort, tearing, swelling, redness, and blurred vision. See Toxicological Information, Section 11.

SKIN: This substance is not expected to cause prolonged or significant skin irritation. If absorbed through the skin, this substance is considered practically non-toxic to internal organs. See Toxicology Information, Section 11.

INGESTION: If swallowed, this substance is considered practically non-toxic. See Toxicology Information, Section 11.

INHALATION: The systemic toxicity of this substance has not been determined. However, it should be practically non-toxic if inhaled. Inhalation overexposure to the spray mist may be irritating to the respiratory tract. Respiratory tract irritation may include nasal discharge, sore throat, coughing, bronchitis and breathing difficulties.

4. FIRST AID MEASURES

EYES: Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Call a poison control center or doctor for treatment advice.

SKIN: If on skin or clothing, take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

INGESTION: If swallowed, call a poison control center or doctor immediately for treatment advice. Have person sip glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Never give anything by mouth to an unconscious person.

INHALATION: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

COMMENTS: See product label for specific First Aid Measures. The above measures are the most conservative - Pesticide Registration (PR) Notice 2000-3 April 11, 2000 - and would apply in the event a product label is not immediately available.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: None

EXTINGUISHING MEDIA: Alcohol Foam, CO₂, Dry Chemical, Water Fog

HAZARDOUS COMBUSTION PRODUCTS: Normal combustion forms carbon dioxide and water vapor and may produce oxides of nitrogen. Combustion may produce toxic compounds of chlorine.

FIRE FIGHTING PROCEDURES: Products of combustion from fires involving this material may be toxic. Avoid breathing smoke and mists. Avoid personnel and equipment contact with fallout and runoff. Minimize the amount of water used for fire fighting. Do not enter any enclosed area without full protective equipment, including self-contained breathing equipment. Keep containers cool with a water spray. Contain and isolate runoff and debris for proper disposal. Decontaminate personal protective equipment and fire fighting equipment before reuse. Read the entire document.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Soak up spilled material with paper towels and discard in trash.

LARGE SPILL: Liquid spills on floor or other impervious surfaces should be contained or diked, and should be absorbed with attapulgite, bentonite or other absorbent clays. Collect contaminated absorbent, place in plastic-lined metal drum and dispose of in accordance with instructions provided under Section 13. "DISPOSAL". Thoroughly scrub floor or other impervious surface with a strong industrial type detergent solution and rinse with water. For liquid spills that soak into the ground, contact the applicable Federal, State and or County Health Dept. for disposal recommendations. If disposal is required then refer to Section 13 "DISPOSAL" for instructions. Leaking containers should be separated from non-leakers and either the container or its contents transferred to a drum or other non-leaking container and disposed of in accordance with instructions provided under Section 13 "Disposal". Any recovered spilled liquid should be similarly collected and disposed of. Do not contaminate water, foodstuffs or feed by storage or disposal.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Keep pesticide in original container. Do not put concentrate or dilute into food or drink containers. Store in a cool, dry place, preferably locked storage area.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Use this material only in well ventilated areas.

PERSONAL PROTECTION

EYES AND FACE: Wear chemical safety goggles to prevent eye contact during operations such as mixing or transfer or other activities when there is potential for eye contact.

SKIN: Although this product does not present a significant skin concern, minimize skin contamination by following good handling practices. Applicators and other handlers must wear: long sleeved shirt, long pants, and shoes with socks. Wash hands and contaminated skin thoroughly after handling.

RESPIRATORY: Avoid breathing vapor or mist. This product is not likely to pose an airborne exposure concern when handled and used in accordance with label instructions.

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200):

<u>Chemical Name</u>	<u>EXPOSURE LIMITS</u>		
	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>ACGIH STEL</u>
Triclopyr, Triethylamine Salt	None	None	None

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

APPEARANCE: Light amber liquid

pH: 7.0 to 10.0

SOLUBILITY IN WATER: Miscible with water.

COMMENTS:

DENSITY: 8.5 lb/gal

10. STABILITY AND REACTIVITY

STABLE: YES

HAZARDOUS POLYMERIZATION: NO

CONDITIONS TO AVOID: Avoid contact with strong oxidizers.

HAZARDOUS DECOMPOSITION: Exposure to heat or flame may produce carbon monoxide, hydrogen chloride and nitrogen oxides.

INCOMPATIBLE MATERIALS: May react with strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

11. TOXICOLOGICAL INFORMATION

ACUTE

EYES: Rabbit - slight irritation, eyes clear by day 4.

EPA FIFRA toxicity category - III.

DERMAL LD₅₀: Rabbit - ≥ 5.0 g/kg. SKIN IRRITATION - Rabbit - no irritation at 48 hours.

EPA FIFRA toxicity category - IV.

ORAL LD₅₀: Rat, male ≥ 5.0 g/kg.

EPA FIFRA toxicity category - IV.

INHALATION LC₅₀: Rat - 4 hour inhalation ≥ 2.0 mg/liter.

EPA FIFRA toxicity category - IV.

SENSITIZATION: This material was not a skin sensitizer in the Buehler Guinea Pig Sensitization Test.

SUBCHRONIC:

Results of rat, mouse and dog subchronic toxicology testing indicated that the rodent no observable effect level (NOEL) was 60 mg/kg/dy. Dogs were more sensitive to triclopyr than rodents because of decreased ability of kidneys to excrete triclopyr. The NOEL in the dog was 10 mg/kg/dy in the 90-day feeding study.

CARCINOGENICITY:

CARCINOGENICITY COMMENTS: Triclopyr is not considered to be a carcinogen. Results of rat and mouse lifetime feeding studies did not demonstrate any evidence that triclopyr caused an increase in cancer. The only significant findings were increased kidney weights and water consumption and renal tubule changes. The NOEL for both studies was 30 mg/kg/dy.

TERATOGENICITY: Triclopyr is not considered to be a teratogen or cause birth defects. Results of rat and rabbit teratology studies indicated that at high dose levels there was evidence of maternal toxicity, but no treatment related developmental changes. The high dose in the rabbit study was 200 mg/kg/dy.

REPRODUCTIVE TOXIN: The results of a 3-generation reproduction study demonstrated no triclopyr associated changes regarding reproductive capacity, growth, pregnancy, parturition, neonatal survival and maturation. The highest dose level was 30 mg/kg/dy.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Triclopyr has an average half-life in the soil of approximately 30 days. The degradation process is hastened by increased availability of sunlight and bacteria.

ECOTOXICOLOGICAL INFORMATION: Triclopyr has a very low toxicity to fish, waterfowl and birds.

13. DISPOSAL CONSIDERATIONS

FOR LARGE SPILLS: Material collected that cannot be reprocessed should be disposed of in a landfill approved for pesticide disposal or in accordance with applicable Federal, state, or local procedures.

PRODUCT DISPOSAL: Call local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any drain.

EMPTY CONTAINER: Do not reuse container.

14. TRANSPORT INFORMATION**DOT (DEPARTMENT OF TRANSPORTATION)****PROPER SHIPPING NAME:** Not Regulated**U.S. SURFACE FREIGHT CLASS:** Tree or weed killing compounds, NOI, Density of 20 lbs. or greater per cu. ft.

SPECIAL SHIPPING NOTES: The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

15. REGULATORY INFORMATION**UNITED STATES****SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**

PRODUCT CLASSIFICATION UNDER SECTION 311 OF SARA				
ACUTE: YES	CHRONIC: NO	FIRE: NO	REACTIVITY: NO	PRESSURE GENERATING: NO

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA REGULATORY: All non FIFRA regulated components are on the US EPA's TSCA Inventory List.

16. OTHER INFORMATION**NFPA CODES****FIRE:** 0 **HEALTH:** 1 **REACTIVITY:** 0**APPROVAL DATE:** 09/25/2002**REVISION SUMMARY**

ADDITIONAL MSDS INFORMATION: NFPA Hazard Rating: 0=Least; 1=Slight; 2=Moderate; 3=High; 4=Severe.

GENERAL STATEMENTS: This document contains health, safety, and environmental information useful to emergency response agencies, health care providers, manufacturers, and workers/employees. It does not replace the precautionary language, use directions, or the storage and disposal information found on the product label.

COMMENTS: Use of this product is regulated by the U.S. Environmental Protection Agency (EPA) through the approved product label. It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

MANUFACTURER DISCLAIMER: The information contained herein is, to the best of the Manufacturer's (see Section 1) knowledge and belief, accurate and reliable as of the date of preparation of this document. However, no warranty or guarantee, express or implied, is made as to the accuracy or reliability, and the Manufacturer shall not be liable for any loss or damage arising out of the use thereof. No authorization is given or implied to use any patented invention without a license. In addition, the Manufacturer shall not be liable for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices or from any hazards inherent in the nature of the product.